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## The Amplifier - v. 11, no. 6

Associated Students of the Montana College of Mineral Science and Technology

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# THE AMPLIFIER

Montana College of Mineral Science and Technology

Vol. XI, No. 6

BUTTE, MONTANA

Friday, February 25, 1966

## Ten Seniors Named to Who's Who

### Election declared illegal

Near the hour of noon on January 24, 1966, the Montana Tech student body election on constitutional amendments was declared invalid when the Dean of Student Affairs, Professor Stolz, discovered that all constitutional definitions of conducting an election were not met. Article VII, Section I, states that "Notices of such election shall also state the amendment or amendments to be brought up for consideration." Overlooking this requirement of the constitution, the Student Council posted notice of the election without also posting the several amendments. Therefore, the election had not met all of the constitutional requirements, and was declared illegal.

### Jocko Evans honored

A 1965 graduate of Montana College of Mineral Science and Technology, Butte, has won a national prize of the American Institute of Mining, Metallurgical and Petroleum Engineers for a paper he submitted in petroleum engineering.

Recipient of the \$250 prize is John G. Evans III, now a graduate fellow in petroleum engineering at Pennsylvania State University. In addition to the cash award, he receives an all-expense paid trip to the institute's annual meeting in New York City and will present his paper during the meeting. Evans will be an honored guest at the welcoming luncheon on Monday, February 28.

His paper is entitled, "Evaluation of a Tar-Sand Deposit for Open Pit Mining," and describes a method of geologic evaluation for determining the pit limit and the amount of mineable oil-in-place for an open-pit mining venture of a tar-sand deposit.

During the summers of 1964 and 1965 Evans was employed as an engineering trainee by Shell Oil Company.

While at Montana College of Mineral Science and Technology, Evans was the recipient of scholarships made available through the Society of Petroleum Engineers and the AIME. He actively participated in varsity football, was the president of the student body and was selected for inclusion in *Who's Who Among Students in American Colleges and Universities*.

His parents are Mr. and Mrs. John G. Evans, Jr., 4222 Central Avenue, Fremont, California, and he is married to the former Gaye Fabian of Butte, daughter of Mr. and Mrs. Carroll Fabian, 2223 Argyle Street, Butte.

This is the second successive year in which a Montana Tech student in petroleum engineering has won a national award. Last year Gerald A. Peters was similarly honored for his paper, "The Oil and Gas Lease."



### Turn-out Good

When the election was closed down, there were approximately two hundred and fifty students who had cast their ballots. This was interpreted as a good sign of student initiative. In past years, the percentages of the student body voting at student elections has been seriously dwindling. Last spring's "M" Day elections were just slightly better than fifty per cent.

Now that the election has been closed down, the re-election may not occur until this coming "M" Day. However, due to the results of last semester's academic performance, three members of the Student Council can no longer hold their offices. This is due to a catalogue stipulation that any student on probation may not hold elective office. To comply with this stipulation, a special election will be called to fill the vacant offices of secretary, delegate-at-large, and president. These offices were formerly held by Bill Daly, Tom Downey, and Bill Thompson, respectively.

### Engineers week

The week now coming to an end has been National Engineer's Week. It began February 20 and will end February 26. The annual sponsor for the week is the National Society of Professional Engineers.

"Engineering . . . creative resource for progress" was the week's theme chosen by the N.S.P.E.

To start the week a full front page of the society section of the Montana Standard was dedicated to National Engineers Week.

Monday marked the big social event of the season. A banquet was held at the Holiday Inn.

During the week the television station and radio stations gave spot announcements to support the National Society of Professional Engineers.

On Friday the Engineers held a noon luncheon at the Finlen Hotel. Commander Davis of the Navy Reserve spoke to the members about the science of oceanography.

Three finalists in the state scholarship contest sponsored by N.S.P.E. were announced. The first place winner, who will go to the national contest, is Fredrick Hoffman, a senior at Butte High School. His scholarship is given by Armco Steel Corporation.

The other two winners were Kathy Doherfer, electrical engineering, Butte High School; and Tom Schneider, chemical engineering, from Phillipsburg. Each one of the three winners were presented with a slide rule.

Officers of the State Society of Engineers are: Jack Healy, president; Frank Young, first vice president; Robert J. Hoffman, second vice president; and Professor Vine, secretary-treasurer.

All persons wishing to have their picture in the 1965-66 MAGMA, please have pictures to Mr. Young in the Petroleum Building by March 15.



Front row, left to right: William Banning, Dolly LaBranche, Russell Bills. Back row, left to right: John Gow, Kent Taylor, William Thompson, Leroy Wilkes, Robert Frantz, David Bennett. Absent: Clifford Kavanaugh.

### Nine men, one woman honored

#### New scholarships to be awarded

Five petroleum engineering scholarships will be awarded to students of Montana College of Mineral Science and Technology this year. Three of these scholarships have never been offered here before.

Pan American Petroleum Foundation has established an honors scholarship program for freshman petroleum engineering students. Montana Tech was chosen as one of the few colleges in the nation to receive this honor. This award will be offered for the first time starting the fall semester of the 1966-67 academic year.

This scholarship is renewable up to a period of four years with \$700 given the first year and \$100 added on to the first amount each year thereafter.

Candidates for this scholarship are chosen from high school seniors. They are considered solely on performance and potential. A high school average of B is the minimum grade point requirement. Leadership, extracurricular activities and work initiative are also considered in determining the most qualified candidate.

Beginning this present semester, Marathon Oil Corporation is offering two \$250 scholarships at Montana Tech for deserving sophomore and junior petroleum engineering students.

Larry Wooden, a junior transfer student from the University of Wyoming, is the recipient of one of the scholarships. The winner of the other scholarship has not yet been announced. To qualify for this award, a student at Montana Tech must have a high scholastic ability and continue to maintain a high grade point average.

Marathon also offers summer research work to the recipient of their scholarship.

Other scholarships in petroleum engineering are the Continental Oil and Billings SPE section of AIME. Both of these scholarships have been offered at Montana Tech before. They are for amounts of \$500. Deserving petroleum engineering students with a high scholastic average qualify for these awards. Pat Marx is presently studying under the Continental Oil Co. scholarship. Russ Bills received the Billings SPE section of AIME award for the '65-'66 school year.

Ten senior students were selected for inclusion in the forthcoming edition of "Who's Who Among Students in American Colleges and Universities," according to Professor Gustav Stolz, acting dean of student affairs.

The ten and their engineering degree fields are: William R. Banning, Butte, mineral dressing; David W. Bennett, Butte, engineering science; Russell V. Bills, Upland, Calif., petroleum; Robert F. Frantz, Butte, mineral dressing; John L. Gow, Butte, engineering science; Clifford P. Kavanaugh, Butte, metallurgy; Dolores LaBranche, Butte, metallurgy; Kent M. Taylor, Butte, mining; Gordon W. Thompson, Keremeos, Canada, mining; Leroy E. Wilkes, North Swanzy, New Hampshire, mining.

Banning has done mineral processing research for Mineral Industries Research at Montana Tech. He has been the recipient of the Cobb Foundation Scholarship and the Student Honor Scholarships. Banning is a student member of the AIME and has served on the staff of the college's annual, "Magma."

Bennett is now working on a study of shales for the Bureau of Public Roads through the Montana State Highway Department. He is a member of Theta Tau fraternity and the AIME.

Bills has been employed as a roustabout with Amerada Petroleum Corporation and as an engineering aid for Socony Mobil Oil Company during the summers of 1964 and 1965, respectively. He has received the Honor Fee Scholarships, WAAIME Scholarship, Billings section AIME scholarship. Bills has served as Archon and in other capacities for Sigma Rho fraternity. He has participated in the college's program in intramural sports.

Frantz has worked as a sampler for the Anaconda Company, as a student research assistant at the college, and as station tender for the seismograph station at Montana Tech. He is senior class president, a member of Theta Tau fraternity and the recipient of an Advanced Fee Scholarship.

Gow is doing research on lithified shales for the Bureau of Public Roads and the Montana Highway Commission. He is vice president of the senior class, a member of Theta Tau fraternity and has participated in various varsity and intramural sports. He has been on the honor roll three times and has received the Cobb Foundation Scholarship and Advanced Fee Scholarships.

Kavanaugh is now doing part-

time research for General Astro-metals; he has worked for the U.S. Post Office department and for the Northern Pacific Railway. Kavanaugh is a member of the American Society for Metals, the AIME and Sigma Rho fraternity.

Miss LaBranche has worked in an undergraduate metallurgical research project for the National Science Foundation and during the summer of 1965 was a trainee in a laboratory of the Mannesman Export and Import Co., Dusseldorf, Germany. She has held the Anaconda Company Undergraduate Scholarship and has been on the college's honor roll three times. She is a member of AIME, serves as treasurer for the American Society for Metals Student Chapter, and is a delegate to the Associated Women Students at the college.

Taylor has been employed in various capacities with the Anaconda Company. He has been a teaching assistant at the college. He is the recipient of an NEDA loan, the American Smelting and Refining Company Scholarship and Honor Scholarships. He is president of Sigma Rho fraternity and treasurer of the Anderson-Carlisle Technical Society. He holds additional membership in the student chapter of the AIME and did belong to the Copper Guards.

Thompson is president of the Associated Students of Montana College of Mineral Science and Technology. He is a member of Sigma Rho fraternity, the Anderson-Carlisle Technical Society and was business manager of the "Amplifier," the college newspaper. He was the recipient of the Adami Mining Scholarship in 1965. He has worked in various capacities associated with mining and exploration for Craigmont Mines Ltd., the Anaconda Company, Cominco American, and Machinery Centre, Ltd.

Wilkes has been employed as surveyor, miner, construction worker for such firms as McGregor Triangle Company, Ox-bow Development Company, the Anaconda Company, and Zonolite Division of W. R. Grace and Company. He has been on the college's honor roll twice and has received one Advanced Fee Scholarship. He has served two years as house manager for Sigma Rho fraternity and has been Scribe of the fraternity. He has been active in the affairs of the Copper Guards and the Anderson-Carlisle Society and has participated in intramural sports.



## Student discontent

For the past several years the American country has been swept with the manifestations of an inner discontent among its citizens, particularly the young adults. This serious problem of disenchantment has been a prime source of daily news, and the headlines and news stories are reflections of ominous trouble in the American people. It is a situation which gives cause for much happiness in countries dedicated to the overthrow of the strongest nation in the world. China receives reports of college demonstrations and riots with jubilation.

American college campuses are the number one target of Communist agitators. How sardonically they must chuckle when they learn that their cause is receiving help from the supposedly responsible "adults" who are charged with the educational welfare of the naturally rebellious and angry young. To fail excessive numbers of students to maintain a system of standards which is inherently unjust is to further sow the seeds of discontent. To impose the grammar school practice of elementary compulsion upon young people striving for responsible adulthood is to add greatly to the seething disharmony already present. Policies of discrimination in any undertaking, at any time, in any place, are but the ground work of future disruption.

Ignorance is not the sole possession of the uneducated. It is all too often a characteristic of those with the most schooling. When ignorance appears among the ranks of the educated, the society in which they operate is deprived of its leadership, leaving the social structure without strength. History is replete with examples of the suppressed revolting against the dictations of leaders who corrupted their prestige by issuing mandates of compulsion. There was a time in American History when college professors were highly respected and seriously taken, especially by their students. Time changes everything.

—Tom Downey

## The backward kingdom

Once upon a time there was a tiny kingdom on the top of a hill. The kingdom was ruled by a very conservative king, who dressed in the garb of his forefathers. This king was offered financial assistance from the great emperor to up-date his old rickety kingdom; however, he refused this assistance. In the meantime, some of the people who had left the kingdom built a great amphitheater for the gladiators of the kingdom to compete on.

In this kingdom there also was an evil magician who practiced alchemy. As it turned out, this alchemist began his own inquisition. Through him, many worthwhile citizens were exiled from the kingdom, and many more were made to spend a period of great hardship, under trying conditions. Soon, however, this wizard lost the respect of his fellow officials. He would go to the Inn, and have to sit at a table by himself. Woe betide the evil alchemist.

—Bill Daily

"If we continue to neglect the fine arts in our education, we will deserve the criticism of Ortega y Gasset: 'Americans are a primitive people hiding behind the latest inventions.'"—John Carter

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MANAGEMENT AND CIRCULATION**  
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## I graduated

The sign of a mature college student is the accepting of one's rewards, failures, and responsibilities. The mature student will seek an answer and a solution. One of these problems is class attendance. Maturity and success is more than regular attendance in class. The saying, "Come to the sleep session, or you won't get a good grade," means more than one thinks. By reading the assignments, doing lessons faithfully and logically, passing tests, studying others' opinions, are more important than the famous "daily attendance or beauty sleep." Grades should not be affected if daily participation does not occur. Many of the high standing universities in our country and foreign countries have accepted this view to consider the boys and girls attending college as mature adults and let them accept the consequences of their actions. Many professors forget that we are not high school students who "must" go to school, but college students who have accepted the responsibilities of adult life.

If all assignments are in, all work done satisfactorily, all responsibilities met, I feel daily attendance should not be considered as the most important thing in grading.

We are not high school students. Perhaps if some teachers would accept this view and treat us like college students, they would find out why we do not attend class and not make an issue of this high school problem. Classes would be more interesting and better attended.

Major premise: Some dogs have fleas.

Minor premise: My dog has fleas.

Conclusion: My dog is some dog.

## Opinions given

When the question, "What do you think of last semester?" was presented before these students, many interesting replies were given. Here are a few of those replies:

Mark Lalich: "It constituted many personal problems but ended quite satisfactorily when I did not become one of the students to end up on the drop list."

Mike Kabalin: "Better than a punch in the mouth."

John Bowsher: "It will take me a year longer to obtain my Ph.D. than I thought it would."

Vesta Scott: "It was a very busy one."

Freddy Jense: "I thought it lasted a whole year divided by two." (He's a math major.)

Steve Calkins: "I don't know. I goofed off."

Steve Ripley: "Censored due to circumstances due to my control, namely Chem. 105."

Tom Cannon: "I had a lot of fun, but now I'll start studying."

Jerry Hanson: "It was too expensive, I might not make it through this one."

Greg McCallum: "No comment."

Bob Corr: "It was quite an experience, but I should study a lot more, I guess."

Gary Hunt: "Wild, man, wild!"

Joe Cunningham: "It was the best semester yet, considering I didn't attend."

John Sarti: "It was too hard."

Kerry Hannifan: "Working in the pit as a oiler wasn't bad."

Don Sullivan: "Pinochle 101 was great."

John Harvey: "Aside from the fact that I'm on probation, it was an easy semester."

Rufus Whitaker: "The pool tables need recovering."

John Jacamino: "I think the semester should start sooner so the finals are before Christmas."

Terry Erskine: "First semester chem. was too easy."

Bob Granger: "I feel lonesome without half my classmates still in school."

Monk Semansky: "All the pinochle decks are marked."

Mike McGinley: "I think everyone has changed their attitude towards studies and induction."

Ernie Isola: "I know nothing."

Gary Johnson: "I'm trying not to think about it."

Ron Johnson: "There isn't a course up here hard enough to fail me, the Infalible Johnson."

Dan Kopp: "I really really crashed and burned."

Loren Hanni: "Time to take off my engineering boots and present them to a certain chem. teacher."

Dan Moilanen: "It's time for a short haircut."

Mark Marinovich: "This semester will be probation and prohibition."

Dick Maier: "Just one less semester I have to spend here."

Jerry Rau: "The party is over, probation is out, and working is in."

Mike Lewis: "Little buzzard luck with border line cases."

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## On getting things done

In business, as in all other activities of life, the rewards go to those who get things done. A study of the techniques of successful men quickly reveals the truth that the beginning is at once the most important and frequently the most difficult part of the job. When facing up to a project, there is no advancement for the man who stands trembling because he cannot see the end from the beginning. Making a bold start, then, is often the thing—any start, to get the wheels in motion. Once this is achieved, it is frequently amazing to find how readily solutions to problems will appear, and how quickly ideas occur and fit into place. There are some businessmen and some authors who prefer people to think that they solve problems and write books by sort of frenzy of intuition. The truth is, if known, that behind every sound creative are, whether in business, or in art, or in everyday living, there is a history of crudities of thought, or dim and distantly seen ideas, of fully matured fancies, frequently discarded in despair because they were found unmanageable — of acceptance, rejection, or correction.

Research into the problem at hand is a vital phase. "The more extensive a man's knowledge of what has already been done, the greater will be his power of knowing what to do."

A useful rule of thumb, then, in getting things done is: (1) to evaluate the problem, (2) to survey the field, (3) to thing freely in all possible related directions, (4) to decide on action, (5) to make a start, and (6) to stick to it until the job is finished.

## Absentee note

Dear Professor So and So:

This is a note from me, Johnny's mother, explaining to you why my son was not in attendance at your last thirteen class meetings. As you well know, the previous semester was a most discouraging one for many of the boys, my son being no exception. Their general consensus of opinion is that a great many of the students were unfairly graded in some subjects. Also, their young masculine pride has been deeply wounded by what they call the grammar school techniques of the faculty. You may not agree that these young people are very serious or responsible, but then, how can one expect them to be if they are treated as children by their teachers?

Well, getting back to the explanation, for the past several weeks Johnny has been up until three and four in the morning. He has been attending the Student Committee for Demonstrations, Riots, and Public Hangings. This very important business has been occupying much of his time these past weeks. You may be very interested to learn that my Johnny has been elected nothing less than the "Chairman of the Riot Section." Isn't that just wonderful?

Well, good-bye for now. Hopefully, we may meet someday if all goes well.

Honestly yours,  
Johnny's Mother

P. S.—Good luck during "Riot Week!"

## Professor or recruiter?

Today's college student, considered by many a coddled, pampered intellectual egghead, free from military service for reasons which are hard for some people to grasp, is at this institution a stupid, unambitious jackass. Or so it would appear. A general stereotyped conception of the performance of students the preceding half would tend to show this school as a haven for draft-dodging nitwits.

Mine is not to judge the validity of this conception, or misconception. My purpose here is to explore an underlying reason for such a pitiful performance.

Perhaps grading techniques could be shown, by the biased, prejudiced, tread-upon student, as the reason for his not returning to these hallowed halls of ivy or if returning, doing so on a par below his more fortunate colleagues.

A professor, who shall here remain unnamed, flunked approximately 90 per cent of his class. Now granted, this was a tough course, and granted most of us up here are not potential Rhodes Scholars.

But ask yourself if these are valid reasons for destroying a number of college careers and discouraging even more.

My purpose here is not to assail the aforementioned professor nor is it to defend flunkies. I only ask that the administration and faculty review certain grading procedures and ask themselves what they are doing for the students of Montana Tech as well as the school image as a whole.

—John L. Sullivan





## Tech hopes for expansion

A proposal to grant B.S. degrees in chemistry, geology, geophysics, mathematics, and the establishment of a hydrogeological option within the department of geological engineering will be presented to the State Board of Regents at its April meeting, according to Dr. Edwin G. Koch, president. The degree programs in geology and geophysics are in addition to the engineering degrees in these fields presently authorized.

Dr. Koch stated that these curricula amplify the higher educational opportunities at this unit of the Montana University System. The curricula in the physical sciences and mathematics are the resultants of strongly developed service departments which can offer, conveniently and economically, Bachelor of Science degrees in their respective disciplines. For the existing engineering curricula, the proposed expansion in the physical sciences and mathematics fulfills the recommendations of accrediting bodies for extension in opportunities in interdisciplinary courses of instruction which are regarded as essential for unification and clarification of basic knowledge in engineering education for the undergraduate student and for the graduate student as well.

Increasing student enrollments from the Butte community and adjacent communities, representing one of the populous areas of the State of Montana, necessitate the broadening of the spectrum in offered curricula. For such revitalizing communities, higher education for young men and women becomes an imperative obligation for the welfare and continued resurgence of the respective communities from which the youths originate.

To envision and to develop additional curricula requires evaluation of existing courses of instruction in engineering, the physical sciences, mathematics, and the humanities and social studies. The consequence of such an evaluation firmly demonstrates the feasibility of expansion into the physical sciences, mathematics, and the additional option in geological engineering. This direction is compatible with the background and experienced capability of the faculty. The additional educational programs have been viewed for community needs, the existing courses of instruction, present faculty, and physical facilities.

These planned developments and improvements will establish the Montana College of Mineral Science and Technology as a more significant and effective

unit of the University System without deviation from the college's traditional devotion and capability in the mineral, petroleum, and water resources of the State of Montana and the Nation.

## \$500 geophysical scholarship granted

A \$500 scholarship in geophysical engineering has been established at Montana College of Mineral Science and Technology by Lawrence J. McCarthy and Associates of Granville, Ohio, according to Professor John G. McCaslin, head of the department of physics at the college.

Eligibility requirements for this scholarship are junior or senior standing in the geophysical engineering curriculum at the college, financial need, and the attainment of an overall grade point average of C+.

McCarthy is a 1956 graduate of the college with a bachelor of science degree in petroleum engineering. Since that time he has been employed by Geophysical Service, Inc., William H. Tegtmeyer & Co., Consolidated Geophysical Surveys, and in 1961 formed his own firm. He has done extensive geophysical work in petroleum, mining, and civil engineering and water supply projects, and has also served as a consultant to a number of large companies.

"We are pleased that an alumnus of the college whose industrial activities have been devoted to the study of geophysics has established this worthwhile scholarship in geophysical engineering," Dr. E. G. Koch, president, said. "This is a notable addition to our constantly increasing list of substantial scholarship awards. McCarthy Associates now make it possible for additional students to be trained in this specialty which is one of our newer degree offerings and which is essential to the development of the resource potential of Montana and the United States."

The scholarship applications should be submitted before March 1 and should be directed to the chairman, scholarship committee, Montana College of Mineral Science and Technology, Butte.

McCarthy is the son of Mrs. Thomas McGinness, 3213 Hannibal Street, and John J. McCarthy, 1225 South Harrison, both of Butte.

Ink comes originally from a Greek word meaning a "branding iron."

## Classrooms Abroad groups to go to Europe

Twelve groups, each containing 20 to 30 selected American college students, will form seminars in various European cities next summer to study the language, culture and civilization of these countries during a nine-week stay. Designed for the serious student who does not plan to see all of Europe in a short summer, Classrooms Abroad tries to give him a more profound experience through a summer of living in one of the following cities: Berlin, or Tubingen in Germany; Vienna or Baden in Austria; Vichy, Grenoble, or Rouen in France; Neuchâtel in Switzerland; Madrid or Santander in Spain; and Florence, Italy.

Graded classes in small sections of six to ten students, each under the supervision of American and native professors, will deal with the reading of classical and modern texts, the daily press, contemporary problems, conversation and composition, pronunciation and grammar. Students will also hear lectures on history and literature and meet with outstanding personalities. They will have full auditing privileges at the university in each of the selected towns and cities and will participate in all academic and social activities with German, Austrian, French, Swiss, Spanish and Italian students.

Members of Classrooms Abroad will live with private families in each city, eat many of their meals with their hosts and share the activities of their sons and daughters. They will have ample opportunities to meet young people from student, religious, and political organizations. Regular attendance at theatres, concerts, and movies as well as visits to museums, libraries, factories, youth organizations, and other points of interest are included in the program. Each group will follow its seven-week stay in a city or town with an optional two-week tour of German, French, Spanish, or Italian areas. Since most programs end in mid-August, participants have a chance to remain in Europe for private travel after the program.

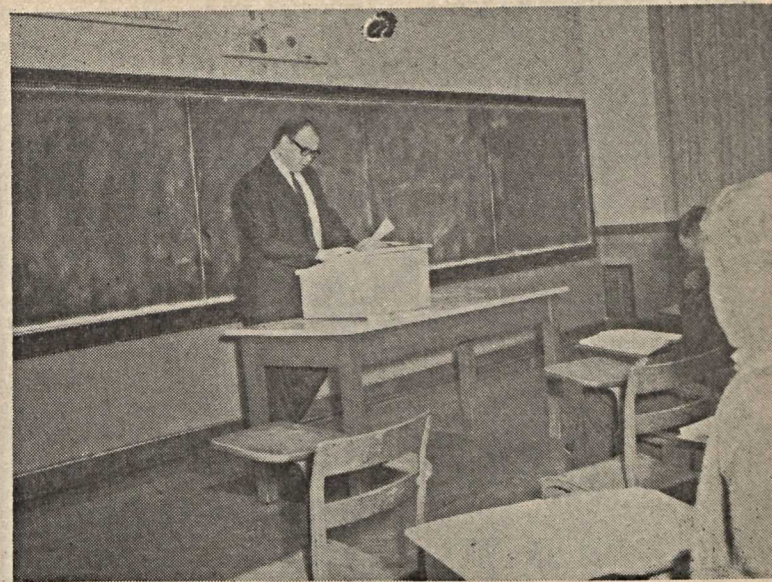
"We have found through many years of experience that it is quite possible, even if you don't know a word of the language, to learn more than a year's worth of college German, French, Spanish, or Italian in the course of a summer," says Dr. Hirschbach, Director of Classrooms Abroad, "provided that we get serious and mature students who are willing to mix business with pleasure." Dr. Hirschbach, who also heads the German-language groups, teaches at the University of Minnesota. The French and Spanish groups will be directed by John K. Simon, Professor of French and English at the University of Illinois and Robert E. Kelsey, member of the Romance Languages Department at Yale. The Italian group will be led by Charles Affron of Brandeis University. Classrooms Abroad, now in its ninth year, has grown from 11 students in 1956 to an anticipated 300 in 1966. Its former students represent some 200 American colleges.

Full information can be obtained by writing to Classrooms Abroad, Box 4171 University Station, Minneapolis, Minn. 55414.

### Girls To Give All

In the letters section of a national news magazine a coed recently wrote that if the draft took those in the bottom third of the class, then the girls would have to make the supreme sacrifice—flunk enough subjects to make themselves the bottom third of the class.

Spirit and good sense like this offer strong support to the idea that perhaps women would run the world better than men do if given a chance.



## Rovig replaces Dr. Guay

One of the busiest and most difficult men to find on campus is Dan Rovig. When he is not someplace else, which he usually is, Dan can be found in his bottom floor office in the Metallurgy Building.

In his first year of teaching, Dan is at Tech to replace Dr. Guay in the Mineral Dressing Department. During the year 1964 he acted as a substitute teacher at the School of Mines for Mineral Dressing and Engineering.

Since coming to Montana Tech, Mr. Rovig has finally accomplished what he set out in college to do. He said, "As far back as I can remember I've always wanted to be a teacher."

Dan was born in Missoula about twenty-eight years ago. He spent part of his grade school life there. His parents moved to Kalispell where young Dan graduated from high school.

The high school graduate, Allen Dan Rovig, had tremendous plans for college. He wanted to learn all about mining at the Montana School of Mines. Working hard and getting good grades, Dan graduated with honors as a Bachelor of Science in Mining Engineering in 1961 from M.S.M.

While in college Dan joined the national fraternity for Mining Engineers, Sigma Rho. He still is a member in good standing of A.I.M.E. Because of his high grades he was honored by appearing in *Who's Who Among Students in American Colleges and Universities* in 1961. He was a student body officer for two years.

Whether he needed it or not, Dan received the American Smelting and Refining Company Scholarship at the School of Mines. He also received some

help with his education in the form of the D. W. McGlashan Fellowship. To make things even better, the school gave him a Research Fellowship.

To become a professor, Dan knew that he must learn more. Wanting to get away from home and see the sights of the U.S.A., Dan traveled east to Pennsylvania where he did some graduate work in Mining Engineering at Penn State from 1961 to 1962.

To get practical, on-the-job experience, Dan worked as an engineering aide for the U.S.D.A. Forest Service at Kalispell, and as an ore dressing engineer and assistant research engineer for W. R. Grace and Company in Libby. He has also worked with the Western Mining Divisions Engineering Department and the Nevada Mines Division. He was just recently employed with the Kennecott Copper Corporation.

Even his work could not keep him away from school. Dan came back to the School of Mines and in 1965 he received his Masters Degree in Mineral Dressing and Engineering.

Now Dan is a professor at his alma mater. Presently he is teaching Mineral Dressing and Materials Separation to seniors and graduates.

The six-foot one-inch man in his late twenties is not married. He explains why, "I just don't have time." His height, deep voice, and dark horn-rimmed glasses make Dan a very distinguishing sight.

Being a native to Montana, Dan Rovig enjoys fishing and hunting. He likes sports and is an avid fan of football. Here is something that most people don't know about Dan—he is a photography bug.

## Coeds travel to meeting in Missoula

Two officers and four delegates of the Associated Women students of Montana Tech attended a conference for the associated women students of the six units of the Montana University System in Missoula on Friday, February 18 and Saturday morning, February 19.

Those who attended were Rena Richards, president of the Associated Women Students of Montana Tech; Rosalie O'Leary, vice president of the organization; Mary McGrath, Linda Plubell, Carol Johnson, and Georgeanne Thurston.

The girls departed from Butte on Friday afternoon. They attended conferences Friday night. Then on Saturday morning they heard speeches from the girls running for state offices. Following these speeches were the elections. Each school was permitted to put up a candidate for the various offices.

Other activities of the AWS these last few weeks are these: They sponsored a mixer in the Student Union Building on February 12, after the Tech-Rocky

Mountain basketball game. Also, President Rena Richards is the student representative at the college for the "Silver Opinion Competition," a scholarship contest open to girls of a few of the universities.

## Coming events

Scheduled placement interviews from February 28 to March 27 are as follows:

February 28 — Continental Oil Company, room 114, Petroleum Bldg., Dr. Warren in charge.

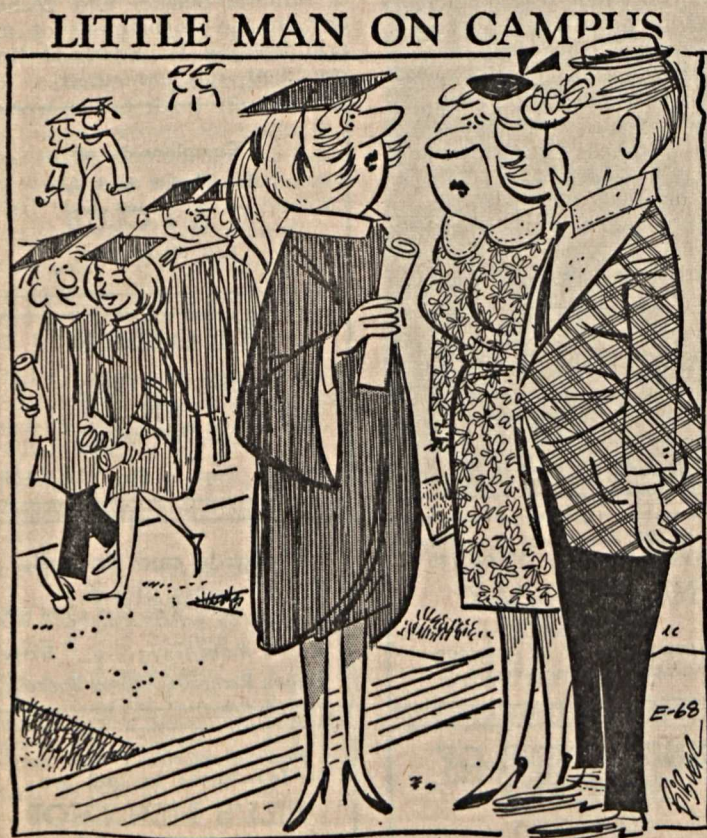
March 1—Boeing Company, room 101, Met. Bldg., Dr. Griffiths in charge.

March 3—Phillips Petroleum Company, room 114, Petroleum Bldg., Dr. Warren in charge.

March 9—Gulf Oil Company, room 114, Petroleum Bldg., Dr. Warren in charge.

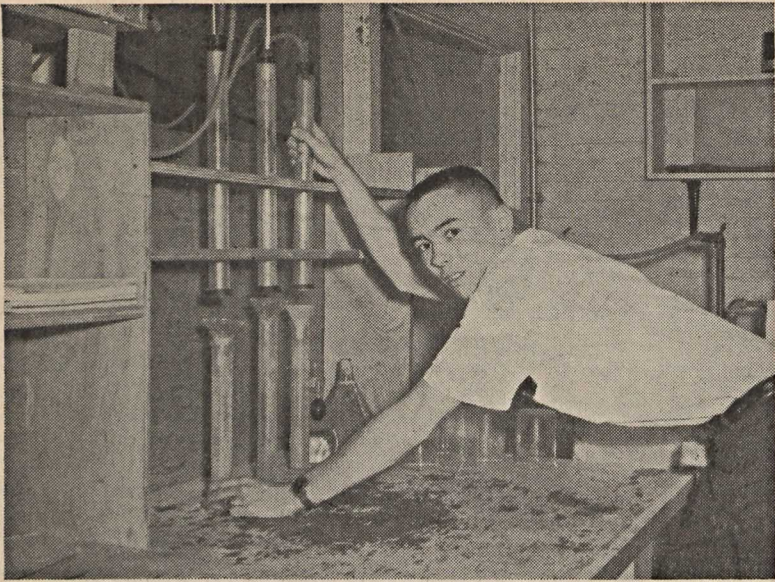
March 16—Arthur G. McKee and Company, WEMCO, Met Bldg., Professor McGlashan in charge.

March 22—Pan American Petroleum Corporation, room 114, Petroleum Bldg., Dr. Warren in charge.



"HOW COME WE'VE WORKED FOUR HARD YEARS TO SEND YOU THRU COLLEGE AN' YOU DON'T HAVE ANYONE TO SHOW FOR IT?"





## Terry Angove is busy doing private research

Terry Angove, a sophomore engineering student, is working on a private research project on the Campus of Montana Tech.

The particulars about the research project are not available at this time. It is known only that the project is being done at the request of a private organization.

Terry is doing his job both in the laboratory and on the computer. He is working with Ariel

Orellana, a graduate student from Mexico. The pair are conducting a statistically controlled set of experiments. They are using the computer to calculate the results.

Besides his work on this project, Terry is kept busy around campus by his studies and by his other activities.

He is currently in the field of Engineering Science. This is his second year as a student at Montana Tech, and he plans to stay for two more years.

He is presently the Duke of the Copper Guards, a school service organization. Also, he is vice-president of the sophomore class.

Terry is a native of Butte and has attended school in the Butte school system for twelve years.

Previous to working on campus and beginning this school term, Terry worked as a guide and ticket seller at Lewis and Clark Caverns. He has been employed at this job for the past two summers.

## Is provisional enrollment fair?

Within the span of life people undergo a number of changes both of a physical and psychological nature. For the most part change goes unnoticed because these cycles often overlap each other. A few changes, however, are of such an alien nature that many individuals are unable to cope with and adjust to them. Such a radical change often occurs in the transition between high school and collegiate life. Many incoming students are faced with responsibilities and scholastic requirements that they are unable to meet due to some fault of their own or to a defect in their primary and secondary education.

They realize that a college degree is a necessity in today's technological society, yet they have not developed the ability to secure one. To further burden them, however, they must meet stiffer requirements than their contemporaries. This leads to the injustice of provisional enrollment.

Throughout one's life, he is led to believe that college is his first real test in the world outside.

## Silver competition open to Coeds at Montana Tech

During the months of February and March, Reed and Barton, America's oldest major silver-smiths, are conducting a "Silver Opinion Competition" in which valuable scholarships totaling \$2,050 are being offered to women enrolled at a few selected colleges and universities.

Montana Tech has been selected to enter this competition. The First Grand Award is a \$500 cash scholarship; Second Grand Award is a \$300 scholarship; Third Grand Award is a \$250 scholarship; Fourth, Fifth, and Sixth Awards are \$200 scholarships; and Seventh, Eighth, Ninth, and Tenth are \$100 scholarships. In addition, there will be 100 other awards consisting of sterling silver, fine china and crystal. These gifts will value approximately \$50.00 each.

In the 1966 "Silver Opinion Competition," an entry form illustrates twelve designs of sterling with eight designs of both china and crystal. The entrants simply list the three best combinations of sterling, china, and crystal from the patterns illustrated. Scholarships and awards will be made to those entries matching or coming closest to the unanimous selections of table-setting editors from three of the nation's leading magazines.

Miss Rena Richards is the Student Representative who is conducting the competition at Montana Tech. Those interested in entering the competition should contact Miss Richards at the school for entry blanks and for complete details concerning the rules. She also has samples of twelve of the most popular Reed and Barton designs so that entrants can see how these sterling patterns actually look.

Through the opinions on silver design expressed by college women competing for these scholarships, Reed and Barton hopes to compile a library of expressions of young American taste.

## Honor Roll

Name	Home	Class	Credits	Grade Points	Index
Bauer, W. S.	Butte, Montana	Junior	14	56	4.00
Giacomino, D. E.	Walkerville, Montana	Sophomore Gen.	18	72	4.00
Gow, J. L.	Butte, Montana	Senior	15	60	4.00
Schwartzberger, Gary	Butte, Montana	Sophomore Gen.	13	52	4.00
Seidel, B. R.	Huntley, Montana	Junior	20	80	4.00
VanSwearingen, Janet A.	Butte, Montana	Sophomore Gen.	13	52	4.00
Redfern, Mary E.	Butte, Montana	Freshman Gen.	12	47	3.92
Hutt, C. R.	Newcastle, Wyoming	Freshman Eng.	21½	83	3.86
Angove, Barbara H.	Butte, Montana	Freshman Gen.	16	61	3.81
Kargacin, G. J.	Anaconda, Montana	Sophomore Eng.	21	80	3.81
Dockins, Ruth M.	Butte, Montana	Sophomore Gen.	12	45	3.75
Murray, Linda A.	Butte, Montana	Sophomore Gen.	15	56	3.73
Goldberg, W. C.	Butte, Montana	Junior	22	82	3.73
Huber, C. D.	Butte, Montana	Freshman Eng.	18	67	3.72
Knudsen, H. P., Jr.	Great Falls, Montana	Sophomore Eng.	24½	91	3.71
Bennett, D. W.	St. Regis, Montana	Senior	17	63	3.71
Johns, J. R.	Walkerville, Montana	Sophomore Gen.	16	59	3.69
Piazzola, D. J.	Whitehall, Montana	Sophomore Gen.	18	65	3.61
Richards, Rena I.	Butte, Montana	Sophomore Gen.	14	50	3.57
Robbins, D. E.	Butte, Montana	Freshman Gen.	15	53	3.53
Walters, C. L.	Billings, Montana	Freshman Eng.	18	63	3.50
Wheeler, Darlene F.	Walkerville, Montana	Freshman Gen.	12	42	3.50
Allen, S. J.	Butte, Montana	Freshman Gen.	17	59	3.47
Koskimaki, D. C.	Butte, Montana	Junior	20	69	3.45
Previsich, N. P.	Butte, Montana	Freshman Gen.	14	48	3.43
Parrett, Charles	Butte, Montana	Junior	19	65	3.42
Appelman, F. D.	Butte, Montana	Sophomore Gen.	13	44	3.38
Thompson, M. J.	Butte, Montana	Sophomore Gen.	21	71	3.38
Loomis, J. R.	Butte, Montana	Junior	17	57	3.35
Chidley, Linda L.	Butte, Montana	Freshman Gen.	18	60	3.33
Dobb, L. G.	Butte, Montana	Freshman Gen.	15	50	3.33
Hemp, Angus	Johannesburg, S. Africa	Junior	21	70	3.33
Stolingwa, Judith R.	Butte, Montana	Freshman Gen.	15	50	3.33
Hoellein, H. R.	Butte, Montana	Sophomore Gen.	19	63	3.32
Huestis, W. L.	Anaconda, Montana	Junior	18	59	3.28
Finley, K. E., Jr.	Butte, Montana	Sophomore Gen.	16	52	3.25
Seager, Sharon A.	Ramsay, Montana	Freshman Gen.	16	52	3.25

### Average of Classes Represented on Honor Roll

2 Seniors	3.86	12 Sophomore General	3.64
2 Sophomore Engineering	3.76	8 Juniors	3.57
3 Freshman Engineering	3.69	10 Freshman General	3.49

Advanced scholarships at Montana College of Mineral Science and Technology for the year 1966-1967 will be awarded to engineering students whose indexes are the highest on the honor rolls for this year. See page 38 of the catalog.

In order to be eligible for the Honor Roll, a student must carry 12 hours and have an index of at least 3.25.—W. M. Brown, Registrar.

## Statistics on students grades

This is how statistics were in regard to grades:

- 37 students on the honor roll.
- 75 students dropped.
- 127 students on probation.

For the first time in his existence, he is on his own. The individual becomes the judge and executioner of his activities, the master of his destiny. Yet, is it fair for some students to enter college with their "backs to the wall," so to speak? Such scholastic discrimination hinders an individual's opportunity to become a success. College should be an individual's means to a fulfilled existence rather than a reward for swallowing the pragmatic teachings received in high school. Equal footing with contemporaries should be a right, not a privilege. It seems unfair that the students with underdeveloped capabilities are forced to meet more stringent requirements to remain in college. This inadequacy must be rectified if the American college system is to offer equal opportunity to all.

## 540 register at Mont. Tech

This semester a new system of registration was utilized at Montana Tech.

The new system of registration was designed to give the upper classmen a better advantage to secure the classes they wanted to take and also to have a smaller number of students up at the school at any one time during the registration.

The way it worked was that the graduate students and upper classmen pre-registered on Friday morning, February 4. That afternoon pre-registration was held for the sophomores.

Saturday morning was the time set for freshman pre-registration.

Each student went to his adviser before the pre-registration days and secured the necessary information on the courses about the courses being offered that he wanted to take. Then he had to make out his schedules.

On the mornings and afternoon of pre-registration each student was required to get a signature from each professor who will be conducting a class in which he wishes to enroll.

Then on Monday morning, February 7, after the students had completed making out class

schedules, all students of all classifications paid fees. At this time everyone also received his grades.

At Montana Tech this second semester of the 1966 school term, there are approximately 540 students enrolled in classes. Although this is a drop from last semester's enrollment of approximately 600 students, it is an increase over the second semester one year ago.

The registrar's office has stated that it is not unusual for a decline in second semester enrollment.

### ROVIG JOINS FACULTY

Allen D. Rovig, son of Mr. and Mrs. Cliff Rovig of 1004 6th Avenue East, Kalispell, has joined the faculty of Montana College of Mineral Science and Technology in the department of mineral dressing, Dr. Edwin G. Koch, president, has announced.

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## Weightlifting set for Saturday

The annual Butte YMCA Invitational Weightlifting and Mr. YMCA Contest will be held on Saturday, February 26, in the YMCA gymnasium. The contest, featuring olympic lifting and physique competition, is open to all AAU athletes.

Among Tech's lifters who are planning to participate are Tom Downey, Gary Mannix, and Steve Hallock. Both Mannix and Hallock competed in last year's invitational. Entries are expected from all of Montana's major cities plus the possibility of some out-of-state entrants. Entries will be accepted on the day of competition.

Weigh-in for all lifters opens at 11 a.m. on the 26th and closes at 12 noon. The 123 and 132 pound divisions will start lifting at 12:30, followed by the 148, 165, 181, 198, and heavyweight classes, lifting individually or in combination, depending on the number of participants in each class. The Mr. Y contest will immediately follow the weightlifting competition. Entry blanks are available at the Butte YMCA or from Steve Hallock, meet director. Spectators will be admitted free.

## Rocky rocks Tech, 73 - 56

The Rocky Mountain College Bears handed the Montana Tech Orediggers their eighth straight conference loss by defeating them 73-56 Saturday night, February 12 in the Tech gym.

Rocky's Ed Yeo and Fogerty led the assault in the opening canto as they pulled to a 43-31 lead as the half ended. Both Yeo and Fogerty, who led Rocky's scoring for the game with 16 points apiece, scored all 16 in the opening 20 minutes of action. Yeo is a former Butte High School cage star.

The Bears shot near 50 per cent in the first half while taking their 12 point advantage.

Tech battled back gamely in the second half to narrow the gap to only eight points. Ed Nordquist and Gary Carlson led the valiant effort to upset the taller Rocky squad, but the Bears switched to an airtight zone and pulled to a comfortable lead toward the end of the contest.

Nordquist led all scorers with 19 points for Tech. Carlson followed in the Tech scoring column with 13 points.

Phil Garcia, who replaced Sutey after he had fouled out, was forced to leave the game with a sprained ankle.

The loss gives Tech a 1-11 overall record and a 0-8 conference record.

ROCKY (73)				TECH (56)					
G	F	P	T	G	F	P	T		
Vogele	2	4	5	8	Koehler	2	2	0	6
Kikkert	3	0	2	6	Sutey	3	1	5	7
O'Connor	3	2	2	8	Carlson	4	5	5	13
Yeo	7	2	4	16	Scholz	1	1	0	3
Latham	1	0	2	2	Liefer	2	2	3	6
Nelson	0	0	0	0	Garcia	0	0	1	0
Carter	4	3	3	11	Nordquist	8	3	4	19
Sundelius	0	0	0	0	Pack	1	0	0	2
Fogerty	8	0	3	16	Rule	0	0	0	0
Stiffler	2	2	0	6	McEnaney	0	0	0	0
Totals 30 13 21 73				Totals 21 14 18 56					
Score by periods:									
ROCKY .....				43	30 — 73				
TECH .....				31	25 — 56				
Fouled out: Tech—Sutey and Carlson; Rocky—Vogele.									

## Bombers is a fun group

A group of playboys everyone knows are the fabulous Boedecker Bombers.

The Boedecker Bombers is an intramural basketball team on campus. They play exhibition games prior to the regular varsity basketball games.

The team was originated last

## Western stomps on Orediggers

Western Montana College, outscoring Montana Tech 2 to 1 from the field, clinched third place in MCC play with an 82-50 victory over the Orediggers on Tuesday, February 15.

Western's Bulldogs led all the way, commanding a 22-7 margin after 11 minutes and a 44-26 spread at halftime. The victory gives Western a 6-3 record in conference play, while leaving Tech mired deep in the basement of the MCC.

Western placed 11 men in the scoring column, led by the game's top scorer, sophomore Rick Smith who netted 23 points. Tech's shorter five got a 20-point effort from sophomore center Gary Carlson.

The no-makum Orediggers hit 14 of 77 field attempts compared to Western's 32 of 85 display. Tech improved at the charity stripe with 22-for-30, while their opponents hit 18-for-26 in the free throw department.

The loss gives Tech a conference record of 0-9 and insures last place for the miners.

The orediggers close out the season against Northern Montana at home, while the Bulldogs wind

up play against the same club the following night.

semester for a charity purpose throughout the community. They played a benefit game for the March of Dimes and collected a total of \$205.62. The Bombers plan to play the faculty with the proceeds being donated towards mental retardation.

A past record of the games are as follows: Carroll 57, Bombers 47; Eastern 74, Bombers 62; Western 90, Bombers 73; Rocky 55, Bombers 53 (in a sudden death overtime); Eastern 57, Bombers 49; Carroll 63, Bombers 60.

They have two games yet to play this season. One will be against MSU and the other with Stanford at Palo Alto, Calif.

The team members include: Bill Daily, playing manager; Jerry Hansen, criminal adviser; Gene Albright, business manager; Tom Downey, dribbling and lay-up adviser; Mike Lewis; Freddy Jense, the mathematician; Gooch Robinson, entertainment adviser; Pat Marx; Ken Throlston; Bob Corr; Creighton Barry; Ron Glovan; John Thatcher.

For their fine efforts to help others they are to be honored at a banquet given by the United Commercial Travelers.

up play against the same club the following night.

WESTERN (82)				TECH (50)			
	G	F	P T		G	F	P T
Ophus	6	2	2 14	Leifer	0	1	4 1
Molendyke	1	4	2 6	Koehler	2	5	2 9
Warhank	2	1	3 9	Carlson	6	8	4 20
Smith, J.	0	1	0 1	Nordquist	3	5	3 11
Smith, R.	11	1	4 23	Sutey	2	0	3 4
Lots	5	1	0 11	Pack	0	3	1 3
Griffin, W.	1	4	1 6	Scholz	1	0	1 2
Robinson	4	1	2 9				
Johnson	1	1	0 3				
McEnaney	1	0	3 2				
Bertino	0	2	0 2				
Totals	32	18	17 82	Totals	14	22	18 50

and an ice cold opening canto for Tech spelled the difference in the game as the Bulldogs rolled to an 82-41 victory over the Orediggers on February 2 in the Tech gym. Western employed an airtight zone defense and held Tech to a mere 12 points in the first half while scoring 46 themselves. In that opening half the Bulldogs shot well over 50 per cent and put the Orediggers at quite a disadvantage. The game ended and Western handed Tech a 82-41 defeat.

The Orediggers once again hit the road for a two-game series, the first of which was a contest with Northern on February 5. Once more Tech experienced a cold first half, while the Lights shot the eyes out of the bucket as they defeated the Orediggers 100-61. Arnie Frank led the on-

## Intramural hoop Tournament set

The 1966 Intramural Basketball Championships will be held on March 8th with elimination games held on March 7th. Trophies will be awarded winning team's members. The schedule is as follows:

March 7—Game 1, 7:00 p.m., American League first vs. National League second. Game 2, 8:00 p.m., American League second vs. National League first.

March 8—Winners of the above contests meet to determine the school champions.

Boedeckers Bombers lead the National League in scoring with 69 points in a single game. KKK leads the American League with a 79 point effort for an individual contest.

## Draft status

Registrar Milton Brown reports that his office is required by law to report to all local draft boards the status of male students enrolled in Montana Tech. The registrar's office is to report whenever the status of an enrolled student changes. This includes if a student drops below the normal required load in scholarship. Students on scholastic probation may now be considered eligible for the draft.

Lt. Gen. Lewis B. Hershey, director of the Selective Service System, explained that "The deferment of a student is based on a determination that he is a full-time student and remains a satisfactory student. There is a lack of uniformity among educational institutions as to the number of hours for recognition of full-time standing. Local boards must use their best judgment in each individual case."

slaught of Tech as he tallied 18 points and led all scorers in the contest. Northern had several other players in the double figures while Carlson and Nordquist were the only two hitting the double column for Tech. They scored 15 and 12 points respectively.

Tech, on the road for the second game of their road series, had a major pre-game setback as Coach Downey lost four players via of grades including freshman star Thatcher. Carroll took advantage of these loses and compiled a 73-51 win over Tech. In the contest the Saints shot better than 50 per cent while the Orediggers shot 37 per cent. High scoring honors went to Spait of Carroll with 22 points.

## Tech drops four more

The Montana Tech Orediggers dropped four tough basketball games to Eastern, Western, Northern and Carroll to bring their conference record to 0-7.

The Eastern Montana College Yellowjackets invaded the Tech gym on January 26 and put their 4-0 record on the line. Tech battled gamely through the first half as both teams exchanged buckets readily and when the half ended Eastern had a 28-27

edge. It was in the opening minutes of the second half that the Jackets poured on the steam to pull to a 40-27 lead. Eastern's Mickey Hartsburg and Don Dundus led the assault as they tallied 26 and 23 points respectively which put the Jackets in front to stay as Tech couldn't seem to get the necessary momentum to overtake them. Thatcher led the Orediggers with 19 points.

A red hot first half for Western



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## Working for Montana

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Taxes are a heavy load on our operations, just as they are for every tax-paying citizen. We just like to point out that in paying our share, The Anaconda Company provides money for a lot of salaries and services. We can say our tax dollars are important—they work for all Montana.

**ANACONDA**  
"A Partner in Montana's Progress"



# 1966 EIT examination

The 1966 Engineer-in-Training examination will be given at the Montana College of Mineral Science and Technology in Butte and at Montana State University in Bozeman on April 23, 1966. Applications for this examination must be received by the Board prior to March 15, 1966.

- The examination is an eight-hour open book examination and covers the following ten engineering subjects:
- Mathematics (in analytics and calculus)
  - Chemistry
  - Statics
  - Thermodynamics
  - Fluid Mechanics
  - Physics
  - Dynamics
  - Electrical Theory
  - Mechanics of Materials (Strength)
  - Economic Selection

The test will be divided into a morning and afternoon session, with five engineering subjects in each session. The applicant will be required to answer six problems in each session with the questions selected from four of the five subjects. Three questions are given in each subject. The examination is of open book type. **However, candidates are not permitted to use personal notes or problem solutions, books containing sample professional**

engineer or EIT questions with solutions, or other books or publications of a similar nature. Standard texts or handbooks may be used. The candidate is cautioned, however, not to use such references to essentially copy out solutions to problems. If you find you need to do this, you probably have insufficient knowledge of the subject to satisfactorily answer the examination question.

## Geophysicists sponsor scholarships

Scholarships sponsored by the Society of Exploration Geophysicists are available for students who plan to major in Exploration Geophysics at Montana College of Mineral Science and Technology, according to Professor John G. McCaslin, head of the department of physics.

The scholarships amount to \$1500 annually and are open to students attending high school or planning to enter college next fall, to undergraduate college students whose grades are above average, or to graduate students whose studies are directed towards a career in Exploration Geophysics either in operations, teaching or research.

To be eligible, a student must show financial need and awards normally will not be made by the society to recipients of other substantial scholarships. The society may impose other qualifications and the determination of meeting these requirements will be based on the student's application.

Applications for these scholarships should be submitted before April 15 to the Society of Exploration Geophysicists. Application forms may be obtained from Professor John McCaslin, Montana College of Mineral Science and Technology, Butte.

"Read the men with the short names: Walt Whitman, John Donne, Abe Lincoln, Tom Paine, Al Einstein."—E. B. White



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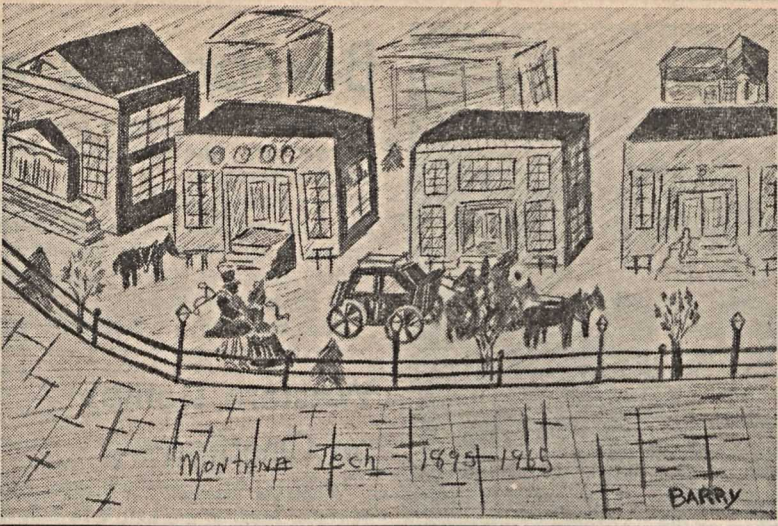


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## Letters written to the welfare

The following are parts of letters which are supposed to have actually been received by the Welfare Department.

I am forwarding my marriage certificate and six children. I had seven but one died which was baptized on a half sheet of paper.

I am writing the Welfare Department to say that my baby was born two years old when do I get my money?

Mrs. Jones has not had any clothes for a year and has been visited regularly by the clergy.

I cannot get sick pay. I have six children. Can you tell me why?

I am glad to report that my husband who is missing is dead.

This is my eighth child. What are you going to do about it?

Please find for certain is my husband is dead. The man I am now living with can't eat or do anything till he knows.

I am very much annoyed to find you have branded my son as illiterate. This is a dirty lie as I was married a week before he was born.

In answer to your letter, I have given birth to a boy weighing ten pounds. I hope this is satisfactory.

I am forwarding my marriage certificate and my three children, one of which is a mistake as you can see.

My husband got his project cut off two weeks ago and I haven't had any relief since.

Unless I get my husbands money pretty soon, I will be forced to lead an immortal life.

You have changed my little boy to a little girl. Will this make any difference?

I have no children as yet as my husband is a truck driver and works day and night.

In accordance with your instructions I have given birth to twins in the enclosed envelope.

I want money as quick as I can get it. I have been in bed with the doctor for two weeks and he doesn't do me any good. If things don't improve, I will have to send for another doctor.



**The Old Timer BANK**

"Of course money doesn't grow on trees. The Bible told us long ago it's a root."

"The discipline of the scientific method, broadly applied, can go far toward clearing the underbrush of superstition and prejudice that hampers civilization in its march. By its incisiveness, the scientific spirit will leave its mark wherever men strive to overcome obscurity and obscurantism."—Paul Weiss

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## Tech plans new building

Preliminary planning is under way for a new mining, geology and mineral dressing building. The proposed building program will be brought up before the next legislative assembly. If passed, construction will begin in 1967.

The site for the new building will probably be south of the campus directly below the Metallurgy Building. Plans are for three stories of classrooms, labs, offices and possibly a new auditorium. Estimated cost of the new building is 1.5 million.

The building program is also being revised to include a new heating plant, garage and storage area for Montana Tech in the next biennium. This new plant would be built south of the campus next to the proposed mining, geology and mineral dressing building. It would serve the entire campus, including storage space and garages for the state owned cars on campus. The estimated cost of this new plant is \$250,000.

Following the completion of the new buildings, extensive remodeling will take place on campus. This plan will call for the tearing down of the present Mill Building and ground development in that area. There will be ample room for expansion of the other departments in the areas vacated in the Metallurgy and Engineering Buildings and Main Hall.

## Dr. Ensley receives grant

Dr. Keith Ensley, assistant professor of chemistry at Montana College of Mineral Science and Technology, has received \$1,142 as a Frederick Gardner Cottrell grant-in-aid from the Research Corporation of New York City.

The foundation made the grant in support of Dr. Ensley's research program entitled, "A New Method for the Determination of Diffusion Coefficients of Gases."

The grant was an outgrowth of a project initiated by Pat Marx, then an undergraduate student at Montana College of Mineral Science and Technology in the department of Engineering Science.

The announcement was made by Sam C. Smith, director of the foundation's grants program.



**The Old Timer**

"The right angle to use in doing a hard job is the try-angle."

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